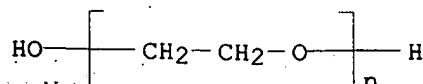


K

L62 ANSWER 4 OF 13 HCAPLUS COPYRIGHT 2002 ACS
AN 1992:136170 HCAPLUS
DN 116:136170
TI Water based silicone elastomer controlled release tablet film coating VI: The effect of tablet shape
AU Li, Luk Chiu; Peck, Garnet E.
CS Sch. Pharm. Pharm. Sci., Purdue Univ., West Lafayette, IN, 47907, USA
SO Drug Dev. Ind. Pharm. (1992), 18(3), 333-43
CODEN: DDIPD8; ISSN: 0363-9045
DT Journal
LA English
CC 63-6 (Pharmaceuticals)
AB The silicone elastomer latex contg. colloidal silica and polyoxyethylene glycol 8000 was shown to produce controlled release film coating on KCl tablets with different shapes. The tablet shape did not affect the zero-order release characteristic of the active ingredient from the coated tablets. With the same coating wt., the capsule shaped tablets exhibited a faster drug release rate as compared to the oval and round deep-cut shaped tablets.
ST controlled release tablet silicone rubber coating
IT Rubber, silicone, biological studies
RL: BIOL (Biological study)
(film coatings, for controlled-release tablets)
IT Solution rate
(of drug, from silicone rubber-coated controlled-release tablets, shape in relation to)
IT Pharmaceutical dosage forms
(tablets, controlled-release, silicone rubber film-coated, drug release from, shape in relation to)
IT 7631-86-9, Silica, biological studies
RL: BIOL (Biological study)
(colloidal, silicone rubber contg., for controlled-release tablet coatings)
IT 7447-40-7, Potassium chloride, properties
RL: PRP (Properties)
(controlled release of, from tablets coated with silicone rubber films, shape in relation to)
IT 25322-68-3, Polyethylene glycol
RL: BIOL (Biological study)
(silicone rubber contg., for controlled-release tablet coating)
IT 7447-40-7, Potassium chloride, properties
RL: PRP (Properties)
(controlled release of, from tablets coated with silicone rubber films, shape in relation to)
RN 7447-40-7 HCAPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

C1-K

IT 25322-68-3, Polyethylene glycol
RL: BIOL (Biological study)
(silicone rubber contg., for controlled-release tablet coating)
RN 25322-68-3 HCAPLUS
CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)



controlled porosity walls effect on)
RN 7447-40-7 HCPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

Cl-K

L62 ANSWER 12 OF 13 HCPLUS COPYRIGHT 2002 ACS
AN 1983:581405 HCPLUS
DN 99:181405
TI Production of sustained-release tablet
hydrophilic matrixes with poly(vinyl alcohol)
AU Suess, W.
CS Abteilung Klin. Pharm., Klin. Hubertusburg, Wermsdorf, Ger. Dem. Rep.
SO Pharmazie (1983), 38(7), 476-8
CODEN: PHARAT; ISSN: 0031-7144
DT Journal

Rev - 09 / 000000

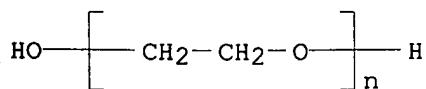
Page 2

LA German
CC 63-6 (Pharmaceuticals)
AB Li₂CO₃, KCl, and NaF tablets were prep'd. with
poly(vinyl alc.) [9002-89-5], and the effects of drug concn., addn. of
talc (glidant), Mg stearate [557-04-0] (hydrophobic lubricant),
polyethylene glycol 6000 [25322-68-3]
(hydrophilic lubricant) and potato starch [9005-25-8] (disintegrant) on
release rates were detd. Release
rates were increased by increasing drug concn., by glidant concns.
.gtoreq.30% by vol., by hydrophilic lubricant and disintegrant. Mg
stearate decreased release rates. Storage of
tablets contg. Li₂CO₃ 39.1, poly(vinyl alc.) 58.6,
polyethylene glycol 6000 1.3, and potato starch 1.0% by
vol. at 35.degree. showed no changes after 60 days; storage at 75.degree.
was assocd. with discoloration, but the release rate
was not affected. Adjusting starch and Mg stearate concns. can be used to
control release rates.
ST tablet hydrophilic matrix; polyvinyl alc tablet;
sustained release tablet matrix; lubricant
tablet drug release; glidant tablet drug
release
IT Solution rate
(of drugs, from sustained-release tablets
, lubricants and glidants effect on)
IT Tablets
(sustained-release, disintegration and soln.
rates of)
IT 9002-89-5
RL: BIOL (Biological study)
(sustained-release tablet matrix contg.,
disintegration and soln. rates of)
IT 554-13-2 7447-40-7, biological studies 7681-49-4, biological
studies
RL: BIOL (Biological study)
(sustained-release tablets,
disintegration and soln. rates of)
IT 557-04-0 9005-25-8, biological studies 14807-96-6, uses and
miscellaneous 25322-68-3
RL: BIOL (Biological study)
(tablet disintegration and soln. rates in relation
to)
IT 7447-40-7, biological studies
RL: BIOL (Biological study)
(sustained-release tablets,
disintegration and soln. rates of)
RN 7447-40-7 HCPLUS
CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

AN 1991:108860 HCPLUS
 DN 114:108860
 TI Water based silicone elastomer controlled release tablet film coating. V. A statistical approach
 AU Li, Luk Chiu; Peck, Garnet E.
 CS Coll. Pharm., Univ. Oklahoma, Oklahoma, OK, 73190, USA
 SO Drug Dev. Ind. Pharm. (1991), 17(1), 27-37
 CODEN: DDIPD8; ISSN: 0363-9045
 DT Journal
 LA English
 CC 63-6 (Pharmaceuticals)
 AB The silicone elastomer latex formulated with polyethylene glycol (PEG) and colloidal silica produced a controlled-release film coating on KCl tablets. The release rate of KCl was controlled by the total amt. of PEG and the wt. fraction of PEG 8000 and 1450 incorporated in the coating. A math. model was developed to quantitate the effect of coating components on the drug release rate using the statistical extreme vertices design. The predictive capability of this functional relationship was tested and validated exptl.
 ST silicone rubber coating controlled release tablet
 IT Rubber, silicone, biological studies
 RL: BIOL (Biological study)
 (controlled-release tablets film-coated with)
 IT Process simulation, biological
 (of drug release from silicone rubber film-coated controlled-release tablets)
 IT Solution rate
 (of drugs, from silicone rubber film-coated controlled-release tablets)
 IT Pharmaceutical dosage forms
 (tablets, controlled-release, film-coated, silicone rubber)
 IT 7447-40-7, Potassium chloride, biological studies 25322-68-3
 RL: BIOL (Biological study)
 (controlled-release tablets contg., silicone rubber film coating for)
 IT 7447-40-7, Potassium chloride, biological studies 25322-68-3
 RL: BIOL (Biological study)
 (controlled-release tablets contg., silicone rubber film coating for)
 RN 7447-40-7 HCPLUS
 CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

Cl-K

RN 25322-68-3 HCPLUS
 CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- (9CI) (CA INDEX NAME)



L75 ANSWER 3 OF 68 HCAPLUS COPYRIGHT 2002 ACS
 AN 1999:760273 HCAPLUS
 DN 132:83527
 TI Comparative study of the dissolution profiles of potassium chloride tablets marketed in Brazil
 AU Ferraz, Humberto G.; Pinho, Jose De Jesus R. G.; Uehara, Ana Claudia; Reis, Maria Tereza L.; Siguenaga, Audrey M.
 CS Departamento de Farmacia, Faculdade de Ciencias Farmaceuticas, Universidade de Sao Paulo, Sao Paulo, SP, 05508-900, Brazil
 SO Revista Brasileira de Ciencias Farmaceuticas (1999), 35(1), 95-99
 CODEN: RBCFFM; ISSN: 1516-9332
 PB Universidade de Sao Paulo, Faculdade de Ciencias Farmaceuticas
 DT Journal
 LA Portuguese
 AB USP std. dissoln. tests with 2 brands (A and B, 2 batches each) of KCl tablets marketed in Brazil were evaluated. The dissolved K concns. were detd. by flame photometry. The results indicated a large difference between the 2 brands; one brand did not comply with the USP specifications and released the drug faster. This may pose a risk for the patient because higher concns. of KCl can cause adverse side-effects.
 IT 7447-40-7, Potassium chloride, biological studies
 RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
 (potassium chloride tablets from Brazil markets comparison for dissoln. profiles)
 RN 7447-40-7 HCAPLUS
 CN Potassium chloride (KCl) (9CI) (CA INDEX NAME)

Cl-K

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L75 ANSWER 4 OF 68 HCAPLUS COPYRIGHT 2002 ACS
 AN 1999:549137 HCAPLUS
 DN 131:175079
 TI Controlled release potassium chloride pellet based pharmaceutical compositions having a high active ingredient content
 IN Nagy, Tibor; Pataki, Karoly; Gunther, Gabor; Fekete, Pal; Farago, Gabor; Lady, Blanka
 PA Egis Gyogyszergyar Rt., Hung.
 SO PCT Int. Appl., 43 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------------|--|----------|-----------------|--|
| PI | WO 9942087 | A2 | 19990826 | WO 1999-HU13 | 19990219 |
| | W: | AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | RW: | GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG |
| | AU 9925404 | A1 | 19990906 | AU 1999-25404 | 19990219 |
| | PRAI HU 1998-369 | | 19980220 | | |